

1 I Claim:

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3 1. A secure data backup communications system for providing  
4 remote secure data storage for connected user systems in the event  
5 of loss of on-site original or backup data comprising:

6  
7 a remote backup central communications and storage facility  
8 operative to receive and store backup electronic data in an  
9 accessible data storage system;

10  
11 generally independent and generally secure information transmission  
12 communication means separate from utility-based communications  
13 networks, said generally independent and generally secure  
14 information transmission communication means extending between  
15 and connecting said remote backup central communications and  
16 storage facility and a connected user system of said secure  
17 data backup communications system;

18  
19 receiving interface means operative to receive transmitted backup  
20 data from a connected user system and optionally translate the  
21 transmitted backup data to a storable data format for  
22 retrievable storage thereof;

23  
24 transmitting interface means operative to retrieve said transmitted  
25 backup data and optionally translate said transmitted backup  
26 data from said storable data format to a user system data  
27 format for transmitting said transmitted backup data back to  
28

1 a connected user system via said generally independent and  
2 generally secure information transmission communication means;  
3 and  
4

5 secure data storage means within said remote backup central  
6 communications and storage facility in information  
7 transmission connection with said receiving interface means  
8 and said transmitting interface means, said secure data  
9 storage means operative to securely store transmitted backup  
10 data in said storable data format received via said receiving  
11 interface means therewithin until retrieved via said  
12 transmitting interface means.  
13

14 **2.** The secure data backup communications system of claim **1**  
15 wherein said remote backup central communications and storage  
16 facility is generally impervious to externally-based operational  
17 disruptions to facilitate generally uninterruptible exchange of  
18 stored transmitted backup data between connected remote user  
19 systems and said remote backup central communications and storage  
20 facility.  
21

22 **3.** The secure data backup communications system of claim **1**  
23 wherein said receiving interface means is further operative to  
24 receive incoming transmitted backup data, identify the specific  
25 user system data format of said incoming transmitted backup data,  
26 translate as necessary said incoming transmitted backup data into  
27 said storable data format generally free of significant  
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1 modification of the informational content of said incoming  
2 transmitted backup data and forward said incoming transmitted  
3 backup data to said secure data storage means within said remote  
4 backup central communications and storage facility.

5  
6       **4.** The secure data backup communications system of claim 1  
7 wherein said transmitting interface means is further operative to  
8 receive outgoing transmitted backup data in said storable data  
9 format from said secure data storage means within said remote  
10 backup central communications and storage facility, identify the  
11 original specific user system data format of said outgoing  
12 transmitted backup data when received as incoming transmitted  
13 backup data, translate as necessary said outgoing transmitted  
14 backup data into said original specific user system data format  
15 generally free of significant modification of the informational  
16 content of said outgoing transmitted backup data and forward said  
17 outgoing transmitted backup data to the connected user system  
18 requesting said outgoing transmitted backup data.

19  
20       **5.** The secure data backup communications system of claim 1  
21 wherein said secure data storage means within said remote backup  
22 central communications and storage facility further comprises at  
23 least one electronic data storage device.

24  
25       **6.** The secure data backup communications system of claim 1  
26 wherein said generally independent and generally secure information  
27 transmission connection between said remote backup central  
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1 communications and storage facility and remote connected user  
2 systems is selected from the group comprising landline, fiber  
3 optic, microwave, radio communications, satellite communications  
4 and cable.

1        7.    A method of providing a secure data backup communications  
2 system for providing remote secure data storage for connected user  
3 systems in the event of loss of on-site original or backup data,  
4 said method comprising the steps:

5  
6 providing a remote backup central communications and storage  
7 facility operative to receive and store backup electronic data  
8 in an accessible data storage system;

9  
10 providing a generally independent and generally secure information  
11 transmission communication means separate from utility-based  
12 communications networks, said generally independent and  
13 generally secure information transmission communication means  
14 extending between and connecting said remote backup central  
15 communications and storage facility and a connected user  
16 system of said secure data backup communications system;

17  
18 providing receiving interface means operative to receive  
19 transmitted backup data from a connected user system and  
20 optionally translate the transmitted backup data to a storable  
21 data format for retrievable storage thereof;

22  
23 providing transmitting interface means operative to retrieve said  
24 transmitted backup data and optionally translate said  
25 transmitted backup data from said storable data format to a  
26 user system data format for transmitting said transmitted  
27 backup data back to a connected user system via said generally  
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1 independent and generally secure information transmission  
2 communication means;

3  
4 providing secure data storage means within said remote backup  
5 central communications and storage facility in information  
6 transmission connection with said receiving interface means  
7 and said transmitting interface means;

8  
9 receiving said transmitted backup data from a connected user system  
10 via said generally independent and generally secure  
11 information transmission communication means;

12  
13 analyzing said transmitted backup data via said receiving interface  
14 means to determine the data format of said transmitted backup  
15 data;

16  
17 translating said transmitted backup data via said receiving  
18 interface means into a storable data format generally free of  
19 significant modification of the informational content of said  
20 transmitted backup data;

21  
22 storing said translated transmitted backup data in said secure data  
23 storage means;

24  
25 transmitting said translated transmitted backup data from said  
26 secure data storage means to said transmitting interface means  
27 upon receiving a request for transmittal thereof from the  
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1 specific connected user system;

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3 translating said translated transmitted backup data by said  
4 transmitting interface means to the original data format  
5 detected via said receiving interface means for compatibility  
6 with the specific connected user system; and  
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8 transmitting said transmitted backup data to the specific connected  
9 user system via said generally independent and generally  
10 secure information transmission communication means thereby  
11 providing requested backup data to the specific connected user  
12 system.  
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